Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No.....

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub – Division.** Date.....2018.

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional

Schedule Docket No. Head of Account: **Work Code: 002-18-000014.**

Est.Cost: **50.00** Lakhs B.R.No. :

Name of Work : Drilling of borewells and providing pipe line in yelahanka old town areas and village areas in ward no-02 of yelahanka Sub Division.

Name of Contractor and Full Address: **Sri Shadayan, No 190, EWS, 2nd phase, yelahanka new town, bangalore**

Reference to Agreement No. EE/YNK.D/ **EPMT-18/W.O/ 0000132 /2017-18.** Date: 23-3-2018.

Certified that the measurements were taken by me on .....and recorded of Pages 116106 **to 116129** of measurement Book No. **1162** and that the work is satisfactorily executed.

SHADAYAN
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 16/7/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of
   b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

SHADAYAN
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Witness SHADAYAN
1.
2.

(For use in the Office)

Stamp

Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Executive Engineer

sl no	Description of work	U
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**	E
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13	R
a	0 to 50 m	
b	50 to 100 m	
c	100 to 150 m	
d	150 to 200 m	
e	200 to 250 m	
f	250 to 300 m	
g	300 to 350 m	
3	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty (PRED Bangalore Circle SR 2012-13 P. iii, I No. 84	R
4	Providing 200mm dia PVC pipe 10kg/cm2 (PRED Bangalore Circle SR 2012-13 P.15 It.3.43)	R
5	Providing and fixing 175mm Borewell Cap (PRED Bangalore Circle SR 2012-13 P.No.iii, I No. 85)	E
6	Providing and fixing 175mm dia MS collar (PRED Bangalore Circle SR 2012-13 P.No.iii, I No. 86)	E
7	Supply and delivery of submersible pump sets suitable for borewell of 165 mm dia with specified dyty conditions as detailed below and satisfying performance characteristics for pump and moter specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI certification with latest amendments for the following. 15HP/75KW ATALANTA/SUGUNA/CRI/KIRLOSKAR /OTHER EQUIVALENT PUMPS (page no.XXXXII / Sl.No.33 Code No.2)2016-17	
8	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (SR of PWP, & IWTD SR 2016-17, P.No.90, I No.13.15)	
9	Heavy Duty Collar 50 mm dia	
10	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15	
11	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) Page No. 558, Items No-3 BWSSB,SR for 2014-15)	
12	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15	
13	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15	
14	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15	
15	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15	
16	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15	

	Previous	Present Measurement			Total up-to date		Rem
	cost	Qty	Rate	Cost	Qty	cost	
Ea	–	2	1938.00	3876.00	2.00	3876.00	
R							
	–	100.00	315.00	31500.00	100.00	31500.00	
	–	100.00	410.00	41000.00	100.00	41000.00	
	–	100.00	450.00	45000.00	100.00	45000.00	
	–	100.00	484.00	48400.00	100.00	48400.00	
	–	100.00	560.00	56000.00	100.00	56000.00	
	–	100.00	600.00	60000.00	100.00	60000.00	
	–	90.00	640.00	57600.00	90.00	57600.00	
R	–	150.00	1320.00	198000.00	150.00	198000.00	
R	–	40.00	1721.00	68840.00	40.00	68840.00	
E	–	2	100.00	200.00	2.00	200.00	
E	–	18	150.00	2700.00	18.00	2700.00	
	–	2	70600.00	141200.00	2.00	141200.00	
	–	660.00	457.00	301620.00	660.00	301620.00	
	–	110.00	130.00	14300.00	110.00	14300.00	
	–	1379.60	188.00	259364.80	1379.60	259364.80	
	–	110.00	88.00	9680.00	110.00	9680.00	
	–	2.00	302.00	604.00	2.00	604.00	
	–	100.00	140.00	14000.00	100.00	14000.00	
	–	100.00	10.00	1000.00	100.00	1000.00	
	–	50.00	85.00	4250.00	50.00	4250.00	
	–	8.00	345.00	2760.00	8.00	2760.00	

sl no	Description of work
17	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insul compound complete with terminals, clamps, bolts, nuts and washers etc.,
18	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board u 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and cha 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established throug wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe have 16 through holes of 122 mm dia, (P No. 55, I No. 7.1) KPWD Electrical SR 2014-15
19	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washe No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15
20	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of appro make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO K 13.2.16 / 13.13 Page No. 93 Item No. 13.55 / PWD SR 2016-17
21	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cos materials, fixtures and conveyance to work spot etc., complete 50 mm dia.
22	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc compl
23	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotati machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges complete as per specifications
24	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Ty curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirmi to IEC 60898. 5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15
25	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof wi provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, wi suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide prime paint and finally finished with approved colour enameled metal paint etc., complete box of 21600sqcm @ Rs0.33 SWG P.N 49, I. No. 6.40.2 KPWD Electrical SR 2014-15
26	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combine energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proo The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loade latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter SERDED Rate
27	Cutting of road surface for pipeline trenches and disposing the excavated stuff as directed including barricadding, danger lighting etc in the Asphalt Surface Road (P.N. 257, I.N. 37.38)
28	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3)
29	Providing and fixing Chorinated poly Venyl Chloride (CPVC) pipe conforming to IS 15778 having thermal stablity for hot and cold water supply including all CPVC plain and brass threaded fittings, this includesjointing of pipes and fittings with one step CPVC solvent cement trenching, refilling & testing of joints complete (external work) page No:97, item no 13.87.7 -do- 62.50mm nominal pipes OD pipes
30	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)
31	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P.No.6 I.No.2.11)
32	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR 2016-17

Previous		Present Measurement			Total up-to date		Rem
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	2.00	280.00	560.00	2.00	560.00	
–	–	2.00	2727.00	5454.00	2.00	5454.00	
–	–	4.00	180.00	720.00	4.00	720.00	
–	–	2.00	1585.00	3170.00	2.00	3170.00	
–	–	2.00	227.00	454.00	2.00	454.00	
–	–	8.00	80.00	640.00	8.00	640.00	
–	–	2.00	350.00	700.00	2.00	700.00	
–	–	2.00	1547.00	3094.00	2.00	3094.00	
–	–	43200.00	0.33	14256.00	43200.00	14256.00	
–	–	2.00	11000.00	22000.00	2.00	22000.00	
–	–	225.60	340.00	76704.00	225.60	76704.00	
–	–	846.00	189.00	159894.00	846.00	159894.00	
–	–	1880.00	1468.00	2759840.00	1880.00	2759840.00	
–	–	225.60	1508.00	340204.80	225.60	340204.80	
–	–	846.00	61.00	51606.00	846.00	51606.00	
–	–	15.00	2175.00	32625.00	15.00	32625.00	

sl no	Description of work	Un
33	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	Cum
34	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)	Cum
35	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)	Cu
36	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Cu
37	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.112/Item No. 15.1)	Sq
38	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2.(P No. 13 / Item No.4.7)	Cu
39	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete	Sq
40	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends. And fixing collar with cement mortar 1:2 including cost of all mterials labour curing complete as per specifications specifications No. KSRB 1000-2300 MORTH Specification No.1000/2300 -do-1200mm dia (P.No. 253 / Item No:34.6.6)	Cu
41	Proviiding and fixing on position brass bib cock approved quality 25 mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications (P.N.91.I13.25	Eac

Certificates:

1 The above work is done satisfactorily and complete in all respect.
2 There is no department Material issue for the above work.
3 This works comes under BBMP Limit.

AE-02

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Zone)
Yelahanka, Bangalore

	Un	Previous		Present Measurement			Total up-to date		Rem
		Qty	cost	Qty	Rate	Cost	Qty	cost	
its either ttom and eaking of	Cum	–	–	3.96	200.00	792.00	3.96	792.00	
ing rn trip	Cum	–	–	3.96	100.00	396.00	3.96	396.00	
nm and ete laid HOM of	Cu	–	–	1.32	5159.00	6809.88	1.32	6809.88	
stone terials,	Cu	–	–	6.26	4438.00	27781.88	6.26	27781.88	
0 mm s per	Sqr	–	–	9.00	102.00	918.00	9.00	918.00	
n and aid in OM of	Cu	–	–	0.44	5598.00	2463.12	0.44	2463.12	
etal ,	Sqr	–	–	2.260	2100.00	4746.00	2.26	4746.00	
ment 2300	Cum	–	–	6.00	9849.00	59094.00	6.00	59094.00	
our	Each	–	–	25.00	284.00	7100.00	25.00	7100.00	
						4943917		**4943917**	